



РОССИЙСКИЙ
УНИВЕРСИТЕТ ТРАНСПОРТА
(МИИТ)

THE PROSPECT OF EXPORT FREIGHT FLOWS BETWEEN RAIL AND RIVER TRANSPORT REDISTRIBUTION AT THE EASTERN POLYGON

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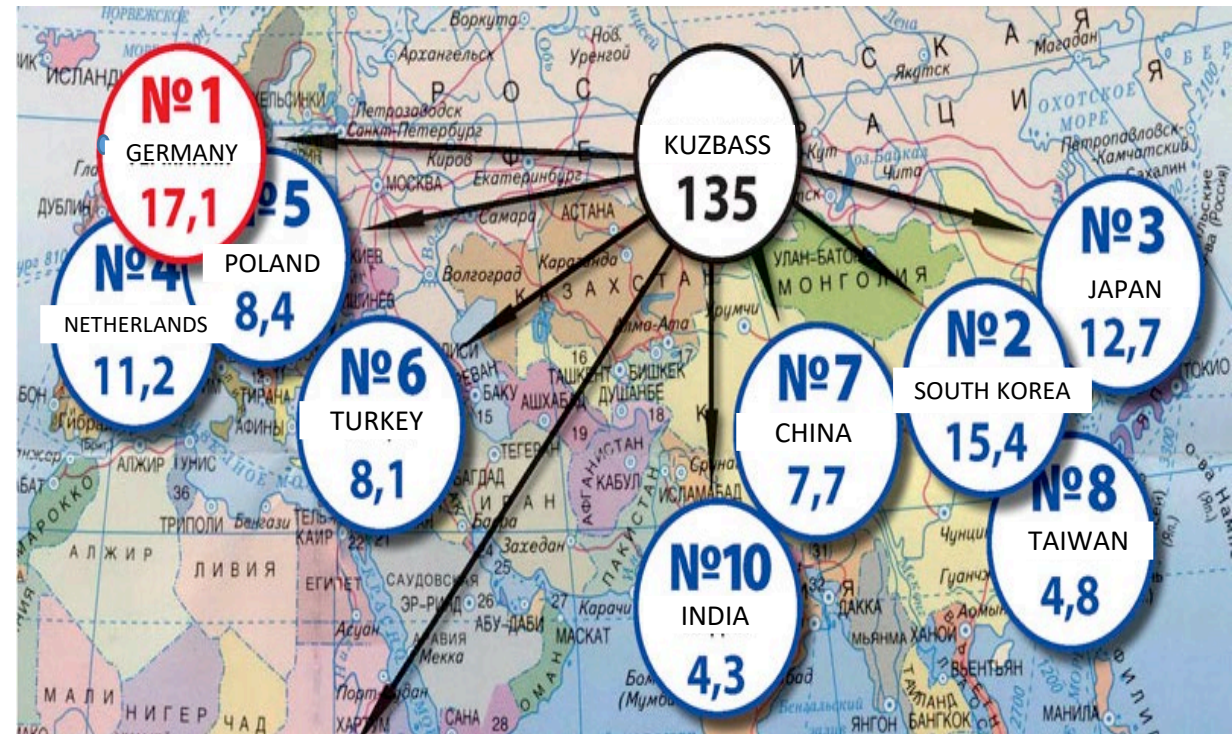
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Moscow - 2021

Coal market

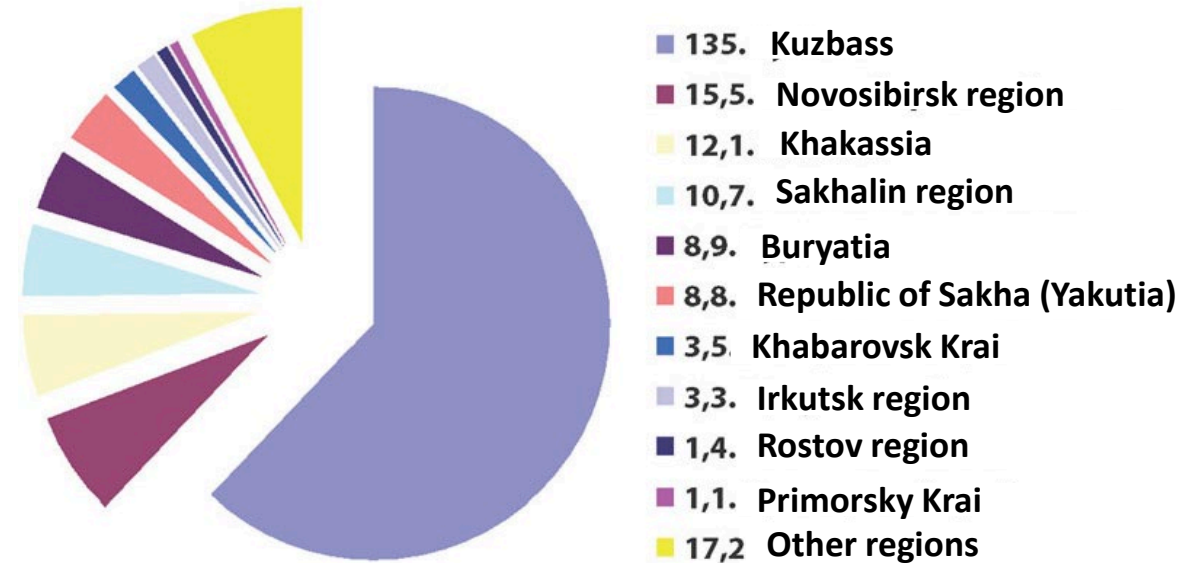
- Decrease in demand in the European market
- Increase in demand on the Far Eastern (Asian) market
- Stability of consumption inside Russia
- Positive mood of the domestic coal industry
- Opening of new mines, mines and surface mines in Kuzbass, Krasnoyarsk region, Khakassia, Buryatia, Transbaikalia, Amur region and Yakutia;
- Export predominantly by conservative logistic scheme: railroad + sea transport;



Destinations of the largest coal exports from Kuzbass in 2019
(source - Kuzbass Business Portal)

Organization of coal export

- Active production growth in the eastern regions of Russia, and especially in:
- Yakutia (up to 80 million tons);
- Kuzbass (more than 100 million tons);
- Khakassia (up to 30 million tons);
- Tyve (plans) (up to 30 million tons);
- Restrictions on the capacity of the Russian Railways network to export coal to the east are holding back the increase in production;
- Export to the west is possible, but less in demand by exporters;
- Large investment projects for the development of the infrastructure of the Russian Railways to increase the capacity

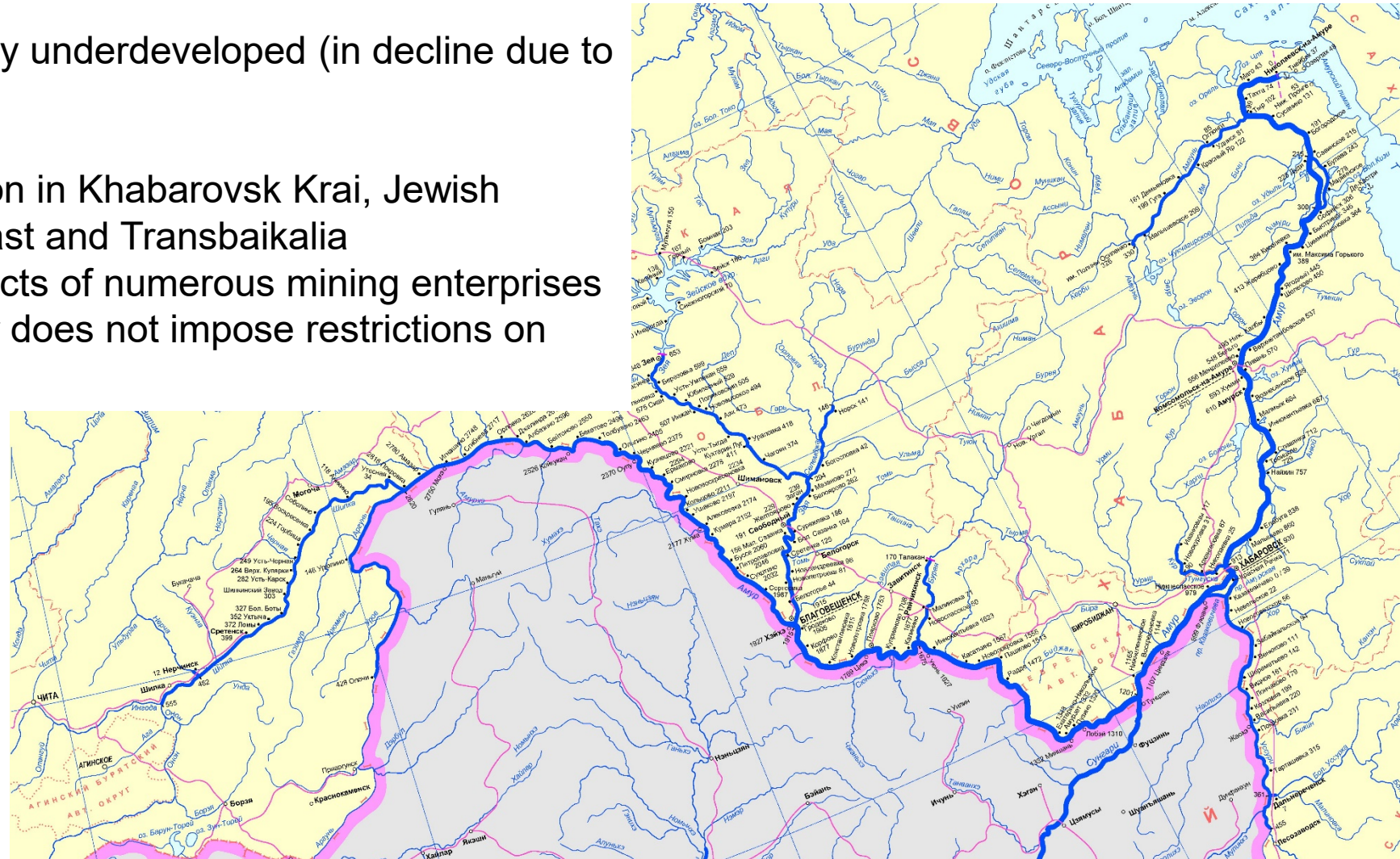


Source: FCS regional offices

Export structure from coal mining regions in 2019

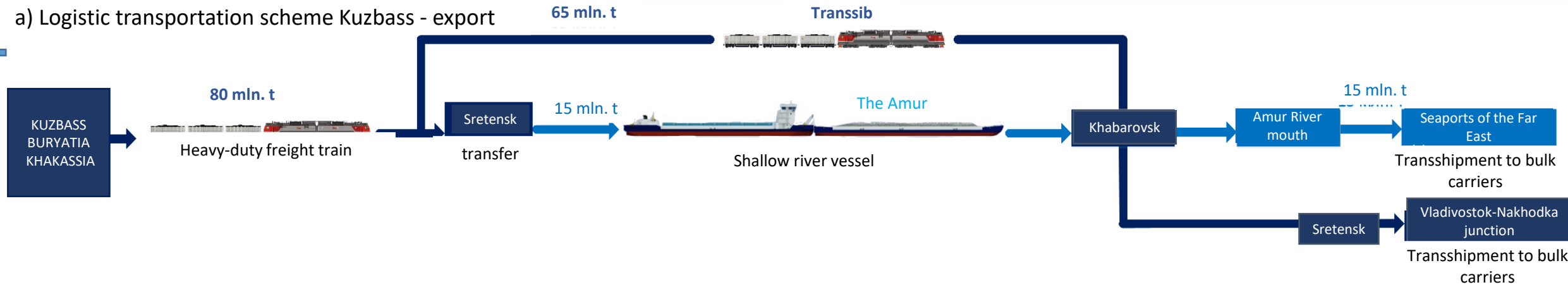
The Amur River Basin

- One of the largest rivers in the world - 2,824 km
- Fully navigable along with its large tributaries (1 and 2 classes of GDP)
- The shipping industry is currently underdeveloped (in decline due to lack of major shippers)
- Fleet is obsolete
- Convenient geographical location in Khabarovsk Krai, Jewish Autonomous District, Amur Oblast and Transbaikalia
- Can be used for export of products of numerous mining enterprises
- The boundary status of the river does not impose restrictions on navigation

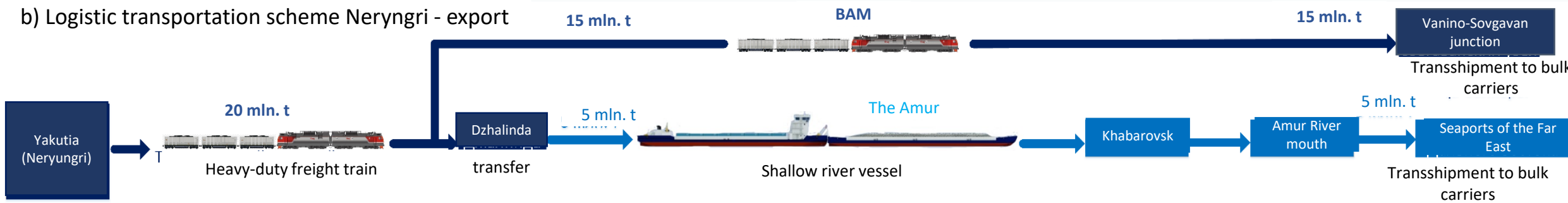


Prospective logistic scheme

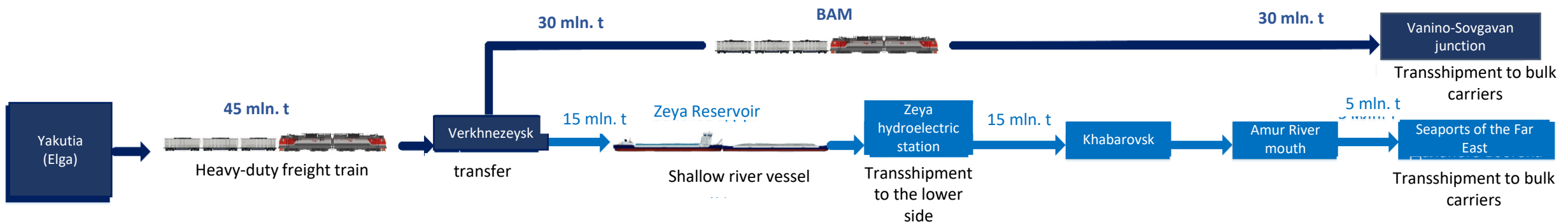
a) Logistic transportation scheme Kuzbass - export



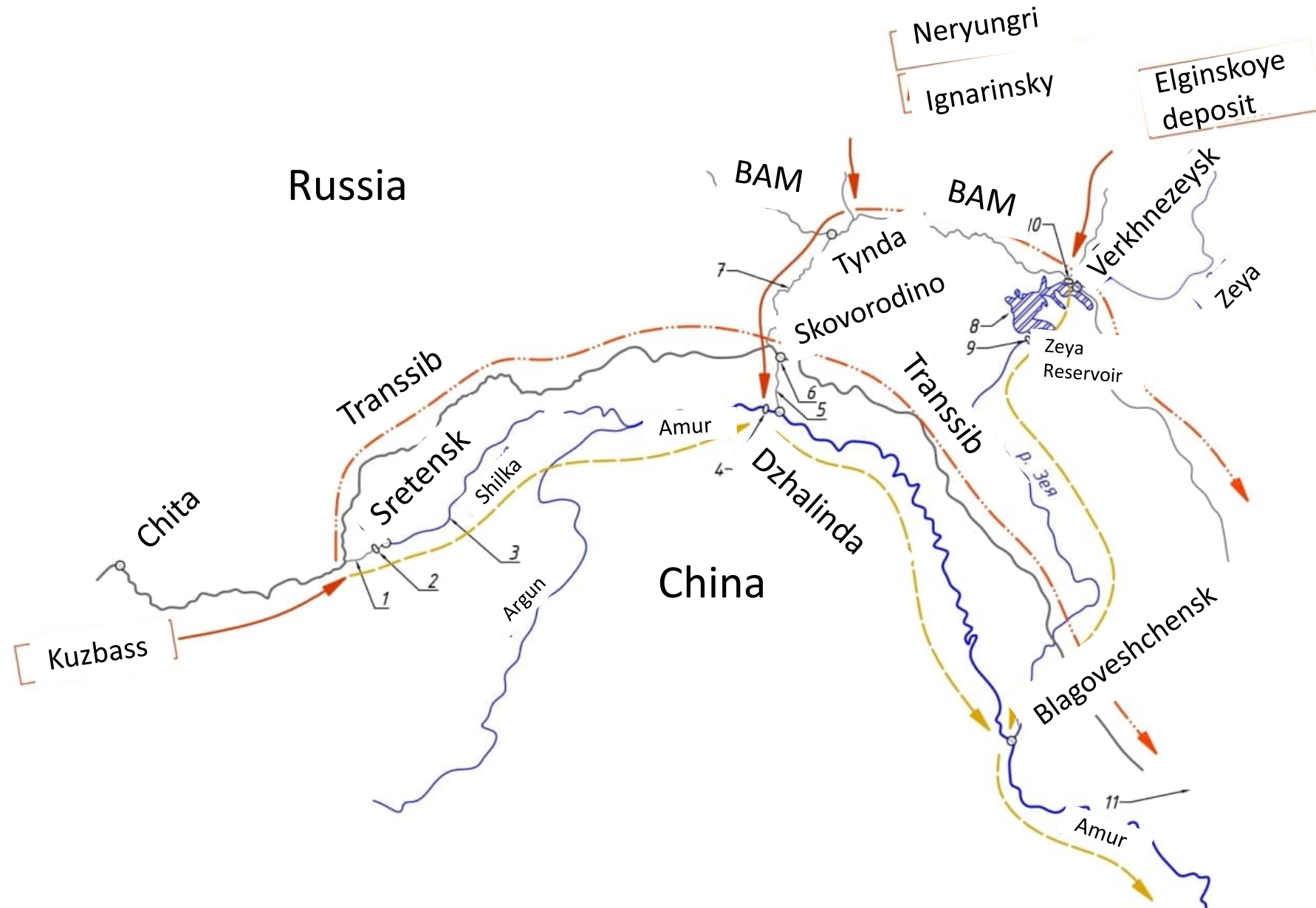
b) Logistic transportation scheme Neryngri - export



c) Logistic transportation scheme Elga - export



Geographical layout of the three most promising corridors



Thank for attention! Merci pour l'attention! Danke für Aufmerksamkeit!
Dank voor aandacht! Tack för er uppmärksamhet! Takk for oppmerksomheten!
Tak for din opmærksomhed! Obrigado pela vossa atenção! Grazie di attenzione!
Gracias por su la atención! Kiitos huomiota! Tänan teid tähelepanu eest!
Paldies par uzmanību! Таны анхаарлын төвд баярлалаа! Назарларыңызға рахмет!
Ташаккур барои таваҷҷӯҳатон! Dékojame už dėmesį! Dziękuję za uwagę!
Дякуємо за увагу! Дзякуем за ўвагу! Ďakujem(děkuji) vám za pozornost!
Hvala za vašo pozornost! Vă mulțumesc pentru atenție! Конул бурганын рахмат!
Назарларыңызға рахмет! Cảm ơn đã chú ý! Üns bereniñiz üçin sag boluñ!
Благодаря за вниманието! Хвала вам на пажњу! Hvala na pažnji!
Ви благодариме за вашето внимание! E'tibor berganingiz uchun tashakkur!
Σας ευχαριστώ για την προσοχή σας! Игътибарыгызга рәхмәт!
İlginiz için teşekkür ederiz! תודה על תשומת הלב שלך! דאנק איר פֿאַר אייער אכטונג!
Terima kasih atas perhatian Anda! 感謝您的關注! أشكركم على اهتمامكم!
ご清聴ありがとうございました! आपका ध्यान के लिए धन्यवाद! 당신의주의를 당신을 감사하십시오!
ขอบคุณสำหรับความสนใจของคุณ! მადლობას გიხდით ყურადღებისთვის! اشكر از توجه شما!

Thank you for your attention!



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